

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)				Docket No. APPM/5730	Serial No. 10/023,125
SUPPLEMENTAL LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT				Applicant Yoo, et al.	Confirmation No.: Unknown
(Use several sheets if necessary)				Filing Date December 17, 2001	Group Unknown
	Examiner Unknown	O MAY 06 2002 PATENT & TRADEMARK OFFICE U.S. DEPARTMENT OF COMMERCE			

U.S. Patent Documents

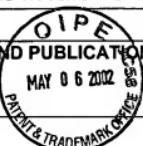
*Examiner Initial	Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
/F.S./	A1 4,813,846	03/21/89	Helms	414	744.1	04/29/87
/F.S./	A2 4,917,556	04/17/90	Stark et al.	414	217	05/26/89
/F.S./	A3 4,951,601	08/28/90	Maydan, et al.	118	719	06/23/89
/F.S./	A4 5,000,113	03/19/91	Wang et al.	118	723	12/19/86
/F.S./	A5 5,028,565	07/02/1991	Chang, et al.	437	192	08/25/1989
/F.S./	A6 5,173,474	12/22/1992	Connell, et al.	505	1	03/11/1991
/F.S./	A7 5,186,718	02/16/93	Tepman et al.	29	25.01	04/15/91
/F.S./	A8 5,205,077	04/27/93	Wittstock	51	165 R	08/28/91
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Examiner /Francis Smith/	Date Considered 12/18/2007
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

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Examiner /Francis Smith/					Date Considered 12/18/2007			
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	Examiner Unknown					



Foreign Patent Documents

*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
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/F.S./	B121	07-086269	03/13/1995	JP	H01L	21/314	<input checked="" type="checkbox"/>	<input type="checkbox"/>
/F.S./	B122	08-181076	07/12/1996	JP	H01L	21/205	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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/F.S./	B146	2001-220294	08/14/2001	JP	C30B	29/20	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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	Examiner Unknown		Group Unknown
OTHER ART			
*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
/F.S./	C1	Ohba, et al., "Thermal Decomposition of Methylhydrazine and Deposition Properties of CVD TiN Thin Films", Conference Proceedings, Advanced Metallization for ULSI Applications in 1993 (1994), pp. 143-149	
/F.S./	C2	Schepers, et al., "Low-temperature deposition of titanium nitride films from dialkylhydrazine-based precursors", Materials Science in Semiconductor Processing 2 (1999), pp. 149-157	
/F.S./	C3	Suzuki, et al., "A 0.2- μ m contact filing by 450°C-hydrazine-reduced TiN film with low resistivity", IEDM 92-979, pp. 11.8.1 – 11.8.3	
/F.S./	C4	Suzuki, et al., "LPCVD-TiN Using Hydrazine and TiCl ₄ ", VMIC Conference (June 8-9, 1993), pp. 418-423	
/F.S./	C5	IBM Tech. Disc. Bull. "Knowledge-Based Dynamic Scheduler in Distributed Computer Control, (June 1990), pp. 80-84	
/F.S./	C6	IBM Tech. Disc. Bull. "Multiprocessor and Multitasking Architecture for Tool Control of the Advanced via Inspection Tools" (May 1992), pp. 190-191	
/F.S./	C7	McGeachin, S., "Synthesis and properties of some β -diketimines derived from acetylacetone, and their metal complexes", Canadian J. of Chemistry, Vol. 46 (1968), pp.1903-1912	
/F.S./	C8	Solanki, et al., "Atomic Layer deposition of Copper Seed Layers", Electrochemical and Solid State Letters, 3(10) (2000), pp. 479-480	
/F.S./	C9	NERAC.COM Retro Search: Atomic Layer Deposition of Copper, dated October 11, 2001	
/F.S./	C10	NERAC.COM Retro Search: Atomic Layer Deposition / Epitaxy Aluminum Oxide Plasma, dated October 2, 2001	
/F.S./	C11	NERAC Search abstract of "Atomic Layer deposition of Ta and Ti for Interconnect Diffusion Barriers", by Rossnagel, et al., J. Vac. Sci. & Tech., 18(4) (July 2000)	
/F.S./	C12	Abstracts of articles re atomic layer deposition	
/F.S./	C13	Abstracts of search results re atomic layer deposition, search dated January 24, 2002	
/F.S./	C14	Abstracts of articles re atomic layer deposition and atomic layer nucleation	
/F.S./	C15	Abstracts of articles re atomic layer deposition and semiconductors and copper	
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	Examiner Unknown		
OTHER ART			
*Examiner Initial	Including Author, Title, Date, Pertinent Pages, Etc.		
/F.S./	C16	Abstracts of articles – atomic layer deposition	
/F.S./	C17	NERAC Search – Atomic Layer Deposition, search dated October 16, 2001	
/F.S./	C18	Bader, et al., "Integrated Processing Equipment", Solid State Technology, Cowan Pub., Vol. 33, No. 5 (May 1, 1990), pp. 149-154	
/F.S./	C19	Choi, et al., "The effect of annealing on resistivity of low pressure chemical vapor deposited titanium diboride", J. Appl. Phys. 69(11) (June 1, 1991), pp. 7853-7861	
/F.S./	C20	Choi, et al., "Stability of TiB ₂ as a Diffusion Barrier on Silicon", J. Electrochem. Soc. 138(10) (October 1991), pp. 3062-3067	
/F.S./	C21	"Cluster Tools for Fabrication of Advanced devices" Jap. J. of Applied Physics, Extended Abstracts, 22 nd Conference Solid State Devices and Materials (1990), pp. 849 – 852	
/F.S./	C22	"Applications of Integrated processing", Solid State Technology, US, Cowan Pub., Vol 37, No. 12 (December 1, 1994), pp. 45-47	
/F.S./	C23	Kitigawa, et al., "Hydrogen-mediated low temperature epitaxy of Si in plasma-enhanced chemical vapor deposition", Applied Surface Science (2000), pp. 30-34	
/F.S./	C24	Lee, et al., "Pulsed nucleation for ultra-high aspect ratio tungsten plugfill", Novellus Systems, Inc. (2001), pp. 1-2 (COPY NOT AVAILABLE TO APPLICANT AT THIS TIME)	
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